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File: DWPI

Nov 22, 1993

DERWENT-ACC-NO: 1994-002225

DERWENT-WEEK: 199401

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TITLE: Solid pharmaceutical compsns. having good disintegration properties - comprise mannitol and/or lactose and sorbitol powdery particles having specified bulk density

PATENT-ASSIGNEE:

ASSIGNEE

CODE

LION CORP

LIOY

PRIORITY-DATA: 1992JP-0143345 (May 7, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>JP 05310558 A</u>	November 22, 1993	N/A	007	A61K009/14

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP05310558A	May 7, 1992	1992JP-0143345	N/A

INT-CL (IPC): A61K 9/14; A61K 9/20; A61K 47/10; A61K 47/26

ABSTRACTED-PUB-NO: JP05310558A

BASIC-ABSTRACT:

Solid pharmaceutical compsns. comprising mannitol and/or lactose contain sorbitol powdery particles having bulk density of less than 60 g/100 ml.

The solid pharmaceutical compsns. contain 10-90 wt.% mannitol and/or lactose to the total wt. of the solid pharmaceutical prepsns..

The pref. compression method for the claimed compsns. is direct method, but a compression method after wet granulation can be employed. As effective pharmaceutical components, cardiotonic diuretics, antitussive s, antipyretic analgesics, antacids, and others can be included. Also, acid flavours and seasonings, etc. can be added.

USE/ADVANTAGE - The compsns. possess good disintegration properties because of the improvements in physicochemical properties such as hardness. Also, the unpleasant sensation in the oral cavity is improved, and no compression difficulties are seen. The prepsns. can be applied to the areas of pharmaceuticals and foodstuffs in the form of tablet, troche, pill, and chewable. Dissolution and absorbency of pharmaceuticals can be gained and, prompt efficacy of the drugs can be expected.

In an example, a mixt. of 250mg mannitol, 146mg lactose, 4mg hydroxypropyl cellulose, 50mg crystalline cellulose, 50mg Mg silicate, 50mg sorbitol (bulk density of 54g/100ml), and 6g Mg stearate was blended and compressed at 20 rpm and 1.5 ton of compression pressure to give tablets having 11.0mm in dia..

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: SOLID PHARMACEUTICAL COMPOSITION DISINTEGRATE PROPERTIES COMPRISE  
MANNITOL LACTOSE SORBITOL POWDER PARTICLE SPECIFIED BULK DENSITY

DERWENT-CLASS: B05 B07

CPI-CODES: B04-C02A1; B04-C02A2; B05-B02; B07-A02; B10-A07; B10-C04E; B12-M11B;

CHEMICAL-CODES:

Chemical Indexing M2 \*01\*

Fragmentation Code

H4 H405 H484 H8 K0 L8 L816 L821 L833 M280

M315 M321 M332 M344 M383 M391 M416 M430 M620 M782

M903 M904 M910 R036

Specific Compounds

00290M

Chemical Indexing M2 \*02\*

Fragmentation Code

F012 F013 F014 F015 F016 F123 H4 H405 H423 H484

H5 H521 H8 J4 J471 K0 L8 L814 L815 L822

L831 M280 M311 M315 M321 M332 M342 M344 M349 M373

M381 M391 M413 M430 M510 M521 M530 M540 M782 M903

M904 M910 R036

Specific Compounds

00241M

Chemical Indexing M2 \*03\*

Fragmentation Code

H4 H405 H484 H8 K0 L8 L814 L821 L833 M280

M315 M321 M332 M344 M383 M391 M416 M430 M620 M782

M903 M904 M910 R036

Specific Compounds

00032M

Chemical Indexing M6 \*04\*

Fragmentation Code

M903 P411 P422 P522 P722 P734 P821 Q221 R036 R111

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0032U; 0241U ; 0290U

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1994-000917

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw	Desc	Image
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